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	Application No.	Applicant(s)
Notice of Allowahility	10/648,627	CHANDHOK, MANISH
Notice of Allowability	Examiner	Art Unit
	Gordon J. Stock	2877
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>amendment filed 7/18/05.</u>		
2. The allowed claim(s) is/are <u>1,2,5-11,13 and 47-56</u> .		
3. The drawings filed on <u>2/25/05</u> are accepted by the Examiner.		
 4.		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☑ Examiner's Amendn	e

Art Unit: 2877

DETAILED ACTION

1. Amendment filed July 18, 2005 has been entered into the file.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: the typographical error in claim 51, "the method of claim 49" has been changed to "the apparatus of claim 49."

The claim as amended:

51. (Currently Amended) The <u>apparatus</u> method of claim 49, further comprising: means for receiving at least a portion of the reflected portion of the light in a detector; and

means for determining an alignment characteristic based on the receiving.

Allowable Subject Matter

- 3. Claims 1, 2, 5-11, 13, and 47-56 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

As to claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious in a method "modifying alignment light using an alignment grating comprises reflecting light from the alignment grating: and "further modifying the alignment light at a pupil

plane of the optical system to have an intensity periodicity of less than the first pitch at wafer plane," in combination with the rest of the limitations of claims 1-2, 5-11, and 13.

As to claim 47, the prior art of record, taken alone or in combination, fails to disclose or render obvious in an apparatus "means for modifying alignment light using an alignment grating on the imaging plate comprising means for reflecting light from the alignment grating" and "means for further modifying the alignment light at a pupil plane of the optical system to have an intensity periodicity of less than the first pitch at a wafer plane," in combination with the rest of the limitations of claims 47-56.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Fax/Telephone Numbers

If the applicant wishes to send a fax dealing with either a proposed amendment or a discussion with a phone interview, then the fax should:

- 1) Contain either a statement "DRAFT" or "PROPOSED AMENDMENT" on the fax cover sheet; and
 - 2) Should be unsigned by the attorney or agent.

This will ensure that it will not be entered into the case and will be forwarded to the examiner as quickly as possible.

Papers related to the application may be submitted to Group 2800 by Fax transmission. Papers should be faxed to Group 2800 via the PTO Fax machine located in Crystal Plaza 4. The form of such papers must conform to the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CP4 Fax Machine number is: (571) 273-8300

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gordon J. Stock whose telephone number is (571) 272-2431.

The examiner can normally be reached on Monday-Friday, 10:00 a.m. - 6:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr., can be reached at 571-272-2800 ext 77.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private Pair system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 29, 2005

Layla Lauchman **Primary Examiner** Art Unit 2877